

Form PTO-1449

Applicant: Duc Chau et al.

Serial No.: 10/052,234

Filing Date: January 16, 2002

For: SELF-ALIGNED TRENCH MOSFETS AND METHODS FOR MAKING THE SAME



Sheet 1 of 26

Conf. No. 9589

Att'y Docket No. 11948.3

Group: 2823

INFORMATION DISCLOSURE CITATIONS MADE BY APPLICANT

Co-Pending Applications

<u>Examiner Initial*</u>	<u>Application Number</u>	<u>Filing Date</u>
<u>JAG</u> A1.	08/970,221	11/14/97
<u>JAG</u> A2.	09/222,258	12/28/98
<u>JAG</u> A3.	09/267,921	02/26/99
<u>JAG</u> A4.	09/286,168	04/05/99
<u>JAG</u> A5.	09/343,330	06/30/99
<u>JAG</u> A6.	09/405,620	09/24/99
<u>JAG</u> A7.	09/448,884	11/24/99
<u>JAG</u> A8.	09/468,269	12/20/99
<u>JAG</u> A9.	09/640,496	08/16/00
<u>JAG</u> A10.	09/774,780	01/30/01
<u>JAG</u> A11.	09/782,343	02/12/01

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U.S. Patent Application Publication Documents

<u>Examiner Initial*</u>	<u>Document Number</u>	<u>Publ. Date</u>	<u>Name</u>	<u>Class</u>	<u>Sub Class</u>	<u>Filing Date</u>
<u>JAG</u> A12.	2001/0028083	10/11/01	Onishi et al.	257	328	02/09/01

Examiner:

Joanne A. Lurie

Date Considered:

April 13, 2005

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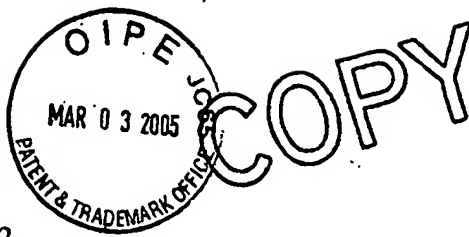
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<u>JAG</u>	A13.	2001/0032998	10/25/01	Iwamoto et al.	257	330	03/19/01
<u>JAG</u>	A14.	2001/0041400	11/15/01	Ren et al.	438	200	05/10/01
<u>JAG</u>	A15.	2001/0050394	12/13/01	Onishi et al.	257	343	04/27/01
<u>JAG</u>	A16.	2002/0009832	01/24/02	Blanchard	438	142	01/19/01
<u>JAG</u>	A17.	2002/0014658	02/07/02	Blanchard	257	330	05/04/01
<u>JAG</u>	A18.	2002/0066924	06/06/02	Blanchard	257	328	10/29/01

U.S. Patent Documents

<u>Examiner Initial*</u>	<u>Document Number</u>	<u>Issue Date</u>	<u>Name</u>	<u>Class</u>	<u>Sub Class</u>	<u>Filing Date</u>	
<u>JAG</u>	A19.	4,070,690	01/24/78	Wickstrom	357	68	08/17/76
<u>JAG</u>	A20.	4,084,311	04/18/78	Yasuoka et al.	29	571	10/15/76
<u>JAG</u>	A21.	4,132,998	01/02/79	Dingwall	357	23	08/29/77
<u>JAG</u>	A22.	4,138,649	02/06/79	Schaffer	330	9	03/25/77
<u>JAG</u>	A23.	4,145,703	03/20/79	Blanchard et al.	357	55	04/15/77
<u>JAG</u>	A24.	4,221,044	09/09/80	Godejahn, Jr. et al.	29	571	06/06/78
<u>JAG</u>	A25.	4,221,045	09/09/80	Godejahn, Jr.	29	571	06/06/78
<u>JAG</u>	A26.	4,264,376	04/28/81	Yatsuda et al.	148	1.5	08/15/79
<u>JAG</u>	A27.	4,277,881	07/14/81	Godejahn, Jr.	29	571	05/26/78

Examiner:

Jonathan Garcia

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<u>JAK</u>	A28.	4,324,038	04/13/82	Chang et al.	29	571	11/24/80
<u>JAK</u>	A29.	4,326,332	04/27/82	Kenney	29	571	07/28/80
<u>JAK</u>	A30.	4,329,705	05/11/82	Baker	357	43	05/21/79
<u>JAK</u>	A31.	4,344,081	08/10/82	Pao et al.	357	43	04/14/80
<u>JAK</u>	A32.	4,345,265	08/17/82	Blanchard	357	23	04/14/80
<u>JAK</u>	A33.	4,382,827	05/10/83	Romano-Moran et al.	148	1.5	04/27/81
<u>JAK</u>	A34.	4,398,339	08/16/83	Blanchard et al.	29	571	09/09/81
<u>JAK</u>	A35.	4,419,809	12/13/83	Riseman et al.	29	571	12/30/81
<u>JAK</u>	A36.	4,424,621	01/10/84	Abbas et al.	29	571	12/30/81
<u>JAK</u>	A37.	4,441,247	04/10/84	Gargini et al.	29	571	06/29/81
<u>JAK</u>	A38.	4,452,354	06/05/84	Tabachnick	206	5	01/13/83
<u>JAK</u>	A39.	4,455,737	06/26/84	Godejahn, Jr.	29	571	03/11/81
<u>JAK</u>	A40.	4,466,172	08/21/84	Batra	29	571	07/27/81
<u>JAK</u>	A41.	4,500,898	02/19/85	Cline	357	23	07/06/82
<u>JAK</u>	A42.	4,503,449	03/05/85	David et al.	357	23.4	09/10/82
<u>JAK</u>	A43.	4,503,598	03/12/85	Vora et al.	29	571	05/20/82
<u>JAK</u>	A44.	4,503,601	03/12/85	Chiao	29	571	04/18/83
<u>JAK</u>	A45.	4,541,001	09/10/85	Schutten et al.	357	23.4	09/23/82

Examiner:

Joanne A. Garcia

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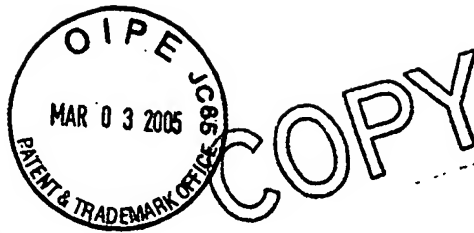
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<u>JAG</u>	A46.	4,560,975	12/24/85	Jarva	340	347	03/22/82
<u>JAG</u>	A47.	4,568,958	02/04/86	Baliga	357	23.4	01/03/84
<u>JAG</u>	A48.	4,577,391	03/25/86	Hsia et al.	29	571	07/27/84
<u>JAG</u>	A49.	4,579,621	04/01/86	Hine	156	612	06/25/84
<u>JAG</u>	A50.	4,590,458	05/20/86	Evans et al.	340	347	03/04/85
<u>JAG</u>	A51.	4,593,453	06/10/86	Tam et al.	29	571	06/18/84
<u>JAG</u>	A52.	4,599,789	07/15/86	Gasner	29	571	06/15/84
<u>JAG</u>	A53.	4,607,270	08/19/86	Iesaka	357	15	06/08/84
<u>JAG</u>	A54.	4,638,344	01/20/87	Cardwell, Jr.	357	22	04/15/82
<u>JAG</u>	A55.	4,639,762	01/27/87	Neilson et al.	357	23.8	04/30/84
<u>JAG</u>	A56.	4,673,962	06/16/87	Chatterjee et al.	357	23.6	03/21/85
<u>JAG</u>	A57.	4,682,405	07/28/87	Blanchard et al.	29	571	07/22/85
<u>JAG</u>	A58.	4,683,643	08/04/87	Nakajima et al.	437	203	07/16/85
<u>JAG</u>	A59.	4,698,653	10/06/87	Cardwell, Jr.	357	22	10/09/79
<u>JAG</u>	A60.	4,701,423	10/20/87	Szluk	437	57	12/20/85
<u>JAG</u>	A61.	4,716,126	12/29/87	Cogan	437	24	06/05/86
<u>JAG</u>	A62.	4,745,079	05/17/88	Pfiester	437	029	03/30/87
<u>JAG</u>	A63.	4,746,630	05/24/88	Hui et al.	437	235	09/17/86

Examiner:

Joanise A. Hatten

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<u>JAG</u>	A64.	4,752,813	06/21/88	Bhatia et al.	357	15	08/08/86
<u>JAG</u>	A65.	4,754,310	06/28/88	Coe	357	13	12/04/84
<u>JAG</u>	A66.	4,760,033	07/26/88	Mueller	438	231	03/04/87
<u>JAG</u>	A67.	4,767,722	08/30/88	Blanchard	437	41	03/24/86
<u>JAG</u>	A68.	4,774,556	09/27/88	Fujii et al.	357	23.5	07/21/86
<u>JAG</u>	A69.	4,808,543	02/28/89	Parrillo et al.	437	38	05/07/86
<u>JAG</u>	A70.	4,811,065	03/07/89	Cogan	357	23.4	06/11/87
<u>JAG</u>	A71.	4,824,793	04/25/89	Richardson et al.	437	47	11/12/87
<u>JAG</u>	A72.	4,845,537	07/04/89	Nishimura et al.	357	23.4	12/01/87
<u>JAG</u>	A73.	4,853,345	08/01/89	Himelick	437	41	08/22/88
<u>JAG</u>	A74.	4,860,072	08/22/89	Zommer	357	23.8	03/10/88
<u>JAG</u>	A75.	4,881,105	11/14/89	Davari et al.	357	23.4	06/13/88
<u>JAG</u>	A76.	4,893,160	01/09/90	Blanchard	357	23.4	11/13/87
<u>JAG</u>	A77.	4,903,189	02/20/90	Ngo et al.	363	127	04/27/88
<u>JAG</u>	A78.	4,912,061	03/27/90	Nasr	437	44	04/04/88
<u>JAG</u>	A79.	4,914,058	04/03/90	Blanchard	437	203	12/29/87
<u>JAG</u>	A80.	4,941,026	07/10/90	Temple	357	23.4	08/26/88
<u>JAG</u>	A81.	4,946,799	08/07/90	Blake et al.	437	41	11/09/89

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<u>JAC</u>	A82.	4,956,308	09/11/90	Griffin et al.	437	41	01/20/87
<u>JAC</u>	A83.	4,961,100	10/02/90	Baliga et al.	357	39	06/20/88
<u>JAC</u>	A84.	4,967,245	10/30/90	Cogan et al.	357	23.4	03/14/88
<u>JAC</u>	A85.	4,983,535	01/08/91	Blanchard	437	40	12/28/88
<u>JAC</u>	A86.	4,990,463	02/05/91	Mori	437	52	06/29/89
<u>JAC</u>	A87.	4,992,390	02/12/91	Chang	437	42	07/06/89
<u>JAC</u>	A88.	5,016,068	05/14/91	Mori	357	23.5	12/08/89
<u>JAC</u>	A89.	5,017,504	05/21/91	Nishimura et al.	437	40	04/21/89
<u>JAC</u>	A90.	5,021,846	06/04/91	Ueno	357	23.4	02/06/90
<u>JAC</u>	A91.	5,034,785	07/23/91	Blanchard	257	330	08/24/88
<u>JAC</u>	A92.	5,045,900	09/03/91	Tamagawa	357	23.4	01/22/91
<u>JAC</u>	A93.	5,065,273	11/12/91	Rajeevakumar	361	313	12/04/90
<u>JAC</u>	A94.	5,071,782	12/10/91	Mori	437	48	06/28/90
<u>JAC</u>	A95.	5,072,266	12/10/91	Bulucea et al.	357	23.4	12/27/88
<u>JAC</u>	A96.	5,111,253	05/05/92	Korman et al.	357	15	08/28/90
<u>JAC</u>	A97.	5,124,764	06/23/92	Mori	357	23.4	01/03/91
<u>JAC</u>	A98.	5,134,448	07/28/92	Johnsen et al.	357	23.4	01/22/91
<u>JAC</u>	A99.	5,156,989	10/20/92	Williams et al.	437	41	11/08/88

Examiner:

Jonathan Banda

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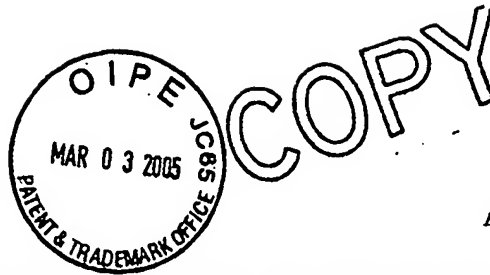
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<u>JAG</u>	A100.	5,160,491	11/03/92	Mori	437	40	02/19/91
<u>JAG</u>	A101.	5,164,325	11/17/92	Cogan et atl.	437	29	10/08/87
<u>JAG</u>	A102.	5,164,327	11/17/92	Maruyama	437	40	10/08/91
<u>JAG</u>	A103.	5,168,331	12/01/92	Yilmaz	257	331	01/31/91
<u>JAG</u>	A104.	5,169,796	12/08/92	Murray et al.	437	41	09/19/91
<u>JAG</u>	A105.	5,177,572	01/05/93	Murakami	257	260	04/05/91
<u>JAG</u>	A106.	5,188,973	02/23/93	Omura et al.	437	40	04/30/92
<u>JAG</u>	A107.	5,208,657	05/04/93	Chatterjee et al.	257	302	07/22/91
<u>JAG</u>	A108.	5,216,275	06/01/93	Chen	257	493	09/17/91
<u>JAG</u>	A109.	5,219,793	06/15/93	Cooper et al.	437	195	06/03/91
<u>JAG</u>	A110.	5,242,845	09/07/93	Baba et al.	437	40	04/10/92
<u>JAG</u>	A111.	5,250,450	10/05/93	Lee et al.	437	40	02/12/92
<u>JAG</u>	A112.	5,273,922	12/28/93	Tsoi	437	41	09/11/92
<u>JAG</u>	A113.	5,275,961	01/04/94	Smayling et al.	437	41	07/16/92
<u>JAG</u>	A114.	5,275,965	01/04/94	Manning	437	67	11/25/92
<u>JAG</u>	A115.	5,281,548	01/25/94	Prall	437	43	07/28/92
<u>JAG</u>	A116.	5,294,824	03/15/94	Okada	257	409	07/31/92
<u>JAG</u>	A117.	5,298,442	03/29/94	Bulucea et al.	437	40	09/18/91

Examiner:

Joanna A. Garcia

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<u>JAG</u>	A118.	5,298,780	03/29/94	Harada	257	330	11/24/92
<u>JAG</u>	A119.	5,298,781	03/29/94	Cogan et al.	257	333	07/08/92
<u>JAG</u>	A120.	5,300,447	04/05/94	Anderson	437	41	09/29/92
<u>JAG</u>	A121.	5,300,452	04/05/94	Chang et al.	437	126	10/27/92
<u>JAG</u>	A122.	5,304,831	04/19/94	Yilmaz et al.	257	341	05/12/92
<u>JAG</u>	A123.	5,316,959	05/31/94	Kwan et al.	437	40	08/12/92
<u>JAG</u>	A124.	5,326,711	07/05/94	Malhi	437	33	01/04/93
<u>JAG</u>	A125.	5,341,011	08/23/94	Hshieh et al.	257	330	03/15/93
<u>JAG</u>	A126.	5,346,834	09/13/94	Hisamoto et al.	437	41	03/03/92
<u>JAG</u>	A127.	5,350,937	09/27/94	Yamazaki et al.	257	316	10/07/92
<u>JAG</u>	A128.	5,365,102	11/15/94	Mehrotra et al.	257	475	07/06/93
<u>JAG</u>	A129.	5,366,914	11/22/94	Takahashi et al.	437	41	01/29/93
<u>JAG</u>	A130.	5,389,570	02/14/95	Shiozawa	437	101	08/18/92
<u>JAG</u>	A131.	5,399,513	03/21/95	Liou et al.	437	34	11/17/92
<u>JAG</u>	A132.	5,405,794	04/11/95	Kim	437	41	06/14/94
<u>JAG</u>	A133.	5,410,170	04/25/95	Bulucea et al.	257	332	04/14/93
<u>JAG</u>	A134.	5,420,452	05/30/95	Tran et al.	257	428	10/18/93
<u>JAG</u>	A135.	5,424,231	06/13/95	Yang	437	40	08/09/94

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<u>JAG</u>	A136.	5,429,977	07/04/95	Lu et al.	437	52	03/11/94
<u>JAG</u>	A137.	5,430,324	07/04/95	Bencuya	257	495	07/23/92
<u>JAG</u>	A138.	5,432,105	07/11/95	Chien	437	34	09/19/94
<u>JAG</u>	A139.	5,438,007	08/01/95	Vinal et al.	437	41	09/28/93
<u>JAG</u>	A140.	5,438,215	08/01/95	Tihanyi	257	401	03/25/94
<u>JAG</u>	A141.	5,455,190	10/03/95	Hsu	437	40	12/07/94
<u>JAG</u>	A142.	5,468,982	11/21/95	Hshieh et al.	257	331	06/03/94
<u>JAG</u>	A143.	5,472,887	12/05/95	Hutter et al.	437	34	11/09/93
<u>JAG</u>	A144.	5,473,176	12/05/95	Kakumoto	257	192	08/31/94
<u>JAG</u>	A145.	5,473,180	12/05/95	Ludikhuize	257	336	07/11/94
<u>JAG</u>	A146.	5,474,943	12/12/95	Hshieh et al.	437	40	08/11/94
<u>JAG</u>	A147.	5,488,010	01/30/96	Wong	437	53	05/10/94
<u>JAG</u>	A148.	5,508,534	04/16/96	Nakamura et al.	257	135	02/07/95
<u>JAG</u>	A149.	5,514,608	05/07/96	Williams et al.	437	44	10/04/94
<u>JAG</u>	A150.	5,532,179	07/02/96	Chang et al.	437	40	05/23/95
<u>JAG</u>	A151.	5,541,425	07/30/96	Nishihara	257	139	12/19/94 ←
<u>JAG</u>	A152.	5,547,895	08/20/96	Yang	437	57	08/31/94
<u>JAG</u>	A153.	5,554,552	09/10/96	Chi	437	43	04/03/95

Examiner:

Joanna A. Linares

Date Considered:

April 14, 2005

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January 16, 2002

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<u>JAG</u>	A154.	5,554,862	09/10/96	Omura et al.	257	137	01/19/94
<u>JAG</u>	A155.	5,558,313	09/24/96	Hshieh et al.	257	342	02/10/95
<u>JAG</u>	A156.	5,567,634	10/22/96	Hebert et al.	437	41	05/01/95
<u>JAG</u>	A157.	5,576,245	11/19/96	Cogan et al.	437	203	11/18/92
<u>JAG</u>	A158.	5,578,851	11/26/96	Hshieh et al.	257	330	03/29/96
<u>JAG</u>	A159.	5,581,100	12/03/96	Ajit	257	331	08/30/94
<u>JAG</u>	A160.	5,583,065	12/10/96	Miwa	437	41	12/06/95
<u>JAG</u>	A161.	5,592,005	01/07/97	Floyd et al.	257	331	03/31/95
<u>JAG</u>	A162.	5,593,909	01/14/97	Han et al.	437	41	06/06/95
<u>JAG</u>	A163.	5,595,927	01/21/97	Chen et al.	437	52	03/17/95
<u>JAG</u>	A164.	5,597,765	01/28/97	Yilmaz et al.	437	203	04/17/95
<u>JAG</u>	A165.	5,602,046	02/11/97	Calafut et al.	437	41	04/12/96
<u>JAG</u>	A166.	5,605,852	02/25/97	Bencuya	437	40	05/18/95
<u>JAG</u>	A167.	5,614,751	03/25/97	Yilmaz et al.	257	394	04/15/96
<u>JAG</u>	A168.	5,623,152	04/22/97	Majumdar et al.	257	330	11/21/95
<u>JAG</u>	A169.	5,629,543	05/13/97	Hshieh et al.	257	330	08/21/95
<u>JAG</u>	A170.	5,639,676	06/17/97	Hshieh et al.	437	40	02/16/96
<u>JAG</u>	A171.	5,648,670	07/15/97	Blanchard	257	329	06/07/95

Examiner:

Jonathan Garcia

Date Considered:

April 14, 2005

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<u>JAG</u>	A172.	5,656,843	08/12/97	Goodyear et al.	257	329	06/13/96
<u>JAG</u>	A173.	5,661,322	08/26/97	Williams et al.	257	331	06/02/95
<u>JAG</u>	A174.	5,665,619	09/09/97	Kwan et al.	438	270	05/13/96
<u>JAG</u>	A175.	5,665,996	09/09/97	Williams et al.	257	401	12/30/94
<u>JAG</u>	A176.	5,674,766	10/07/97	Darwish et al.	437	40	04/26/95
<u>JAG</u>	A177.	5,684,319	11/04/97	Hebert	257	336	08/24/95
<u>JAG</u>	A178.	5,684,320	11/04/97	Kawashima	257	351	07/03/95
<u>JAG</u>	A179.	5,688,725	11/18/97	Darwish et al.	438	270	06/06/95
<u>JAG</u>	A180.	5,689,128	11/18/97	Hshieh et al.	257	331	08/21/95
<u>JAG</u>	A181.	5,693,569	12/02/97	Ueno	437	203	12/18/96
<u>JAG</u>	A182.	5,701,026	12/23/97	Fujishima et al.	257	510	10/25/95
<u>JAG</u>	A183.	5,705,409	01/06/98	Witek	437	35	09/28/95
<u>JAG</u>	A184.	5,710,072	01/20/98	Krautschneider et al.	438	197	05/02/95
<u>JAG</u>	A185.	5,717,237	02/10/98	Chi	257	315	06/17/96
<u>JAG</u>	A186.	5,719,084	02/17/98	Mallon et al.	438	783	11/29/95
<u>JAG</u>	A187.	5,719,409	02/17/98	Singh et al.	257	77	06/06/96
<u>JAG</u>	A188.	5,721,148	02/24/98	Nishimura	437	40	12/03/96
<u>JAG</u>	A189.	5,729,037	03/17/98	Hshieh et al.	257	329	04/26/96

Examiner:

Joanne A. Garcia

Date Considered:

April 14, 2005

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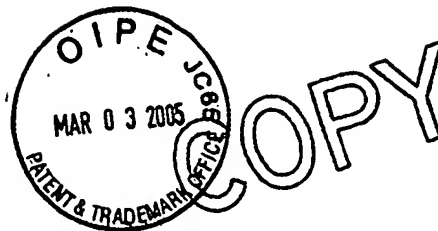
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<u>JAG</u>	A190.	5,741,396	04/21/98	Loewenstein	156	643.1	04/29/94
<u>JAG</u>	A191.	5,767,004	06/16/98	Balasubramanian et al.	438	592	04/22/96
<u>JAG</u>	A192.	5,767,550	06/16/98	Calafut et al.	257	355	10/16/96
<u>JAG</u>	A193.	5,770,878	06/23/98	Beasom	257	330	04/10/96
<u>JAG</u>	A194.	5,780,343	07/14/98	Bashir	438	269	12/20/95
<u>JAG</u>	A195.	5,783,491	07/21/98	Nakamura et al.	438	702	02/02/95
<u>JAG</u>	A196.	5,783,493	07/21/98	Yeh et al.	438	718	01/27/97
<u>JAG</u>	A197.	5,795,792	08/18/98	Nishihara	437	6	05/10/96
<u>JAG</u>	A198.	5,801,408	09/01/98	Takahashi	257	212	02/13/96
<u>JAG</u>	A199.	5,801,417	09/01/98	Tsang et al.	257	333	08/13/93
<u>JAG</u>	A200.	5,808,340	09/15/98	Wollesen et al.	257	330	09/18/96
<u>JAG</u>	A201.	5,814,858	09/29/98	Williams	257	328	03/15/96
<u>JAG</u>	A202.	5,818,084	10/06/98	Williams et al.	257	329	05/15/96
<u>JAG</u>	A203.	5,869,874	02/09/99	Manning	257	382	01/02/97
<u>JAG</u>	A204.	5,879,971	03/09/99	Witek	438	238	09/28/95
<u>JAG</u>	A205.	5,879,994	03/09/99	Kwan et al.	438	268	04/15/97
<u>JAG</u>	A206.	5,894,157	04/13/99	Han et al.	257	407	06/27/94
<u>JAG</u>	A207.	5,895,951	04/20/99	So et al.	257	330	04/05/96

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<u>JAG</u>	A208.	5,895,952	04/20/99	Darwish et al.	257	330	08/21/96
<u>JAG</u>	A209.	5,897,374	04/27/99	Lin	438	666	06/04/97
<u>JAG</u>	A210.	5,915,180	06/22/99	Hara et al.	438	270	04/05/95
<u>JAG</u>	A211.	5,929,690	07/27/99	Williams	327	374	09/25/97
<u>JAG</u>	A212.	5,943,581	08/24/99	Lu et al.	438	386	11/05/97
<u>JAG</u>	A213.	5,945,724	08/31/99	Parekh et al.	257	510	04/09/98
<u>JAG</u>	A214.	5,959,324	09/28/99	Kohyama	257	301	07/11/97
<u>JAG</u>	A215.	5,972,741	10/26/99	Kubo et al.	438	138	10/28/97
<u>JAG</u>	A216.	5,973,360	10/26/99	Tihanyi	257	330	09/21/98
<u>JAG</u>	A217.	5,977,591	11/02/99	Fratin et al.	257	344	03/18/97
<u>JAG</u>	A218.	5,998,833	12/07/99	Baliga	257	329	10/26/98
<u>JAG</u>	A219.	5,998,836	12/07/99	Williams	257	341	04/30/97
<u>JAG</u>	A220.	5,998,837	12/07/99	Williams	257	341	08/28/97
<u>JAG</u>	A221.	6,001,704	12/14/99	Cheng et al.	438	410	06/04/98
<u>JAG</u>	A222.	6,005,271	12/21/99	Hshieh	257	341	11/05/97
<u>JAG</u>	A223.	6,008,097	12/28/99	Yoon et al.	438	303	12/11/97
<u>JAG</u>	A224.	6,008,520	12/28/99	Darwish et al.	257	330	07/16/97
<u>JAG</u>	A225.	6,015,727	01/18/00	Wanlass	438	218	06/08/98

Examiner:

Josanna A. Brown

Date Considered:

April 14, 2005

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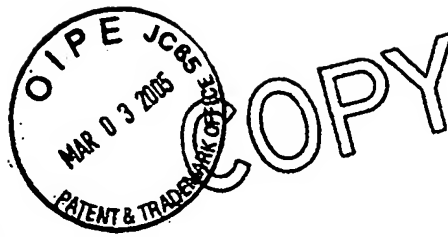
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10/052,234

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<u>JAG</u>	A226.	6,020,250	02/01/00	Kenney	438	422	04/01/98
<u>JAG</u>	A227.	6,037,202	03/14/00	Witek	438	212	08/18/97
<u>JAG</u>	A228.	6,037,628	03/14/00	Huang	257	329	06/30/97
<u>JAG</u>	A229.	6,037,632	03/14/00	Omura et al.	257	341	11/05/96
<u>JAG</u>	A230.	6,040,600	03/21/00	Uenishi et al.	257	330	08/11/97
<u>JAG</u>	A231.	6,049,108	04/11/00	Williams et al.	257	341	08/28/97
<u>JAG</u>	A232.	6,051,468	04/18/00	Hshieh	438	270	09/15/97
<u>JAG</u>	A233.	6,051,488	04/18/00	Lee et al.	438	589	01/14/98
<u>JAG</u>	A234.	6,057,558	05/02/00	Yamamoto et al.	257	77	03/04/98
<u>JAG</u>	A235.	6,060,745	05/09/00	Tadokoro et al.	257	329	01/06/98
<u>JAG</u>	A236.	6,066,878	05/23/00	Neilson	257	342	07/02/98
<u>JAG</u>	A237.	6,074,923	06/13/00	Lee	438	305	06/09/98
<u>JAG</u>	A238.	6,081,009	06/27/00	Neilson	257	341	11/10/97
<u>JAG</u>	A239.	6,084,264	07/04/00	Darwish	257	329	11/25/98
<u>JAG</u>	A240.	6,084,268	07/04/00	de Fresart et al.	257	342	11/03/97
<u>JAG</u>	A241.	6,087,232	07/11/00	Kim et al.	438	289	08/18/98
<u>JAG</u>	A242.	6,091,115	07/18/00	Ohtani et al.	257	369	11/14/97
<u>JAG</u>	A243.	6,096,629	08/01/00	Tsai et al.	438	570	11/05/98

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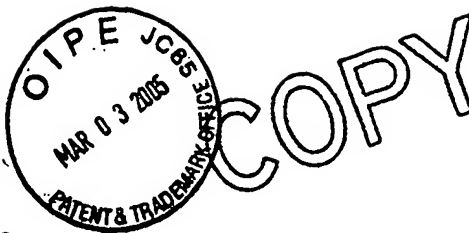
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10/052,234

January 16, 2002

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Group: 2823

<u>JAG</u>	A244.	6,097,061	08/01/00	Liu et al.	257	330	03/30/98
<u>JAG</u>	A245.	6,097,063	08/01/00	Fujihira	257	339	01/21/97
<u>JAG</u>	A246.	6,100,132	08/08/00	Sato et al.	438	243	06/29/98
<u>JAG</u>	A247.	6,103,578	08/15/00	Uenishi et al.	438	268	04/02/99
<u>JAG</u>	A248.	6,107,192	08/22/00	Subrahmanyam et al.	438	637	12/30/97
<u>JAG</u>	A249.	6,110,799	08/29/00	Huang	438	430	06/30/97
<u>JAG</u>	A250.	6,133,587	10/17/00	Takeuchi et al.	257	77	02/13/98
<u>JAG</u>	A251.	6,156,606	12/05/00	Michaelis	438	243	11/17/98
<u>JAG</u>	A252.	6,156,611	12/05/00	Lan et al.	438	268	07/20/98
<u>JAG</u>	A253.	6,159,823	12/12/00	Song et al.	438	437	09/23/99
<u>JAG</u>	A254.	6,163,052	12/19/00	Liu et al.	257	334	12/16/97
<u>JAG</u>	A255.	6,168,983	01/02/01	Rumennik et al.	438	188	02/05/99
<u>JAG</u>	A256.	6,171,935	01/09/01	Nance et al.	438	489	05/24/99
<u>JAG</u>	A257.	6,174,785	01/16/01	Parekh et al.	438	424	06/18/98
<u>JAG</u>	A258.	6,184,545	02/06/01	Werner et al.	257	109	09/14/98
<u>JAG</u>	A259.	6,184,555	02/06/01	Tihanyi et al.	257	342	12/04/98
<u>JAG</u>	A260.	6,188,105	02/13/01	Kocon et al.	257	330	04/01/99
<u>JAG</u>	A261.	6,191,447	02/20/01	Baliga	257	330	05/28/99

Examiner:

Frank A. Bane

Date Considered:

April 13, 2005

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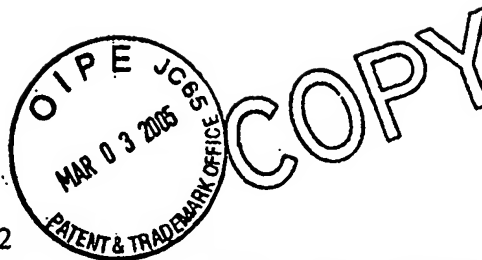
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January 16, 2002

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<u>JA</u>	A262.	6,198,127	03/06/01	Kocon	257	328	05/19/99
<u>JA</u>	A263.	6,201,279	03/13/01	Pfirsch	257	333	10/22/99
<u>JA</u>	A264.	6,204,097	03/20/01	Shen et al.	438	133	03/01/99
<u>JA</u>	A265.	6,204,533	03/20/01	Williams et al.	257	341	06/02/98
<u>JA</u>	A266.	6,207,994	03/27/01	Rumennik et al.	257	342	02/05/99
<u>JA</u>	A267.	6,222,229	04/24/01	Hebert et al.	257	327	06/14/99
<u>JA</u>	A268.	6,225,649	05/01/01	Minato	257	133	01/22/98
<u>JA</u>	A269.	6,228,727	05/08/01	Lim et al.	438	296	09/27/99
<u>JA</u>	A270.	6,239,464	05/29/01	Tsuchitani et al.	257	330	01/07/99
<u>JA</u>	A271.	6,265,269	07/24/01	Chen et al.	438	270	08/06/99
<u>JA</u>	A272.	6,271,100	08/07/01	Ballantine et al.	438	424	02/24/00
<u>JA</u>	A273.	6,271,153	08/07/01	Moore	438	787	06/26/00
<u>JA</u>	A274.	6,271,562	08/07/01	Deboy et al.	257	341	03/01/99
<u>JA</u>	A275.	6,277,706	08/21/01	Ishikawa	438	424	06/08/98
<u>JA</u>	A276.	6,291,298	09/18/01	Williams et al.	438	270	05/25/99
<u>JA</u>	A277.	6,291,856	09/18/01	Miyasaka et al.	257	335	11/10/99
<u>JA</u>	A278.	6,294,818	09/25/01	Fujihira	257	409	05/30/00
<u>JA</u>	A279.	6,297,534	10/02/01	Kawaguchi et al.	257	341	10/07/99

Examiner:

Joanne A. Lanza

Date Considered:

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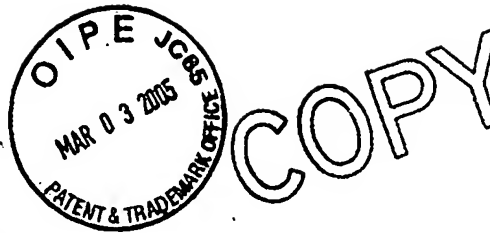
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<u>JAG</u>	A280.	6,307,246	10/23/01	Nitta et al.	257	493	07/23/98
<u>JAG</u>	A281.	6,309,920	10/30/01	Laska et al.	438	202	07/20/98
<u>JAG</u>	A282.	6,313,482	11/06/01	Baliga	257	77	05/17/99
<u>JAG</u>	A283.	6,326,656	12/04/01	Tihanyi	257	288	02/24/00
<u>JAG</u>	A284.	6,337,499	01/08/02	Werner	257	329	08/17/98
<u>JAG</u>	A285.	6,346,464	02/12/02	Takeda et al.	438	514	06/27/00
<u>JAG</u>	A286.	6,346,469	02/12/02	Greer	438	614	01/03/00
<u>JAG</u>	A287.	6,351,018	02/26/02	Sapp	257	499	02/26/99
<u>JAG</u>	A288.	6,353,252	03/05/02	Yasuhara et al.	257	487	07/28/00
<u>JAG</u>	A289.	6,362,112	03/26/02	Hamerski	438	737	11/08/00
<u>JAG</u>	A290.	6,362,505	03/26/02	Tihanyi	257	329	07/27/00
<u>JAG</u>	A291.	6,365,462	04/02/02	Baliga	438	270	11/29/00
<u>JAG</u>	A292.	6,365,930	04/02/02	Schillaci et al.	257	339	06/01/00
<u>JAG</u>	A293.	6,368,921	04/09/02	Hijzen et al.	438	270	09/28/00
<u>JAG</u>	A294.	6,376,314	04/23/02	Jerred	438	270	11/06/98
<u>JAG</u>	A295.	6,384,456	05/07/02	Tihanyi	257	401	03/30/00
<u>JAG</u>	A296.	6,387,764	05/14/02	Curtis et al.	438	296	03/31/00
<u>JAG</u>	A297.	6,388,287	05/14/02	Deboy et al.	257	341	03/12/01

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Filing Date: January 16, 2002

Group: 2823

For: SELF-ALIGNED TRENCH MOSFETS AND METHODS FOR MAKING THE SAME

<u>JAG</u>	A298.	6,400,003	06/04/02	Huang	257	653	12/02/99
<u>JAG</u>	A299.	6,437,399	08/20/02	Huang	257	329	02/04/00
<u>JAG</u>	A300.	6,566,224	05/20/03	Chang et al.	438	424	07/31/97

Foreign Patent Documents

<u>Examiner Initial*</u>		<u>Document Number</u>	<u>Publ. Date</u>	<u>Country or Patent Office</u>	<u>Sub Class</u>	<u>Class</u>	<u>Translation</u>
<u>JAG</u>	A301.	CN 1 056 666	10/25/89	China	--	--	Yes
<u>JAG</u>	A302.	DE 43 00 806C1	12/23/93	Dutch	--	--	Yes
<u>JAG</u>	A303.	EP 0 238 749	09/30/87	EPO	--	--	Yes
<u>JAG</u>	A304.	EP 0 550 770	07/14/93	EPO	--	--	Yes
<u>JAG</u>	A305.	EP 0 583 028	02/16/94	EPO	--	--	Yes
<u>JAG</u>	A306.	EP 0 698 919	02/28/96	EPO	--	--	Yes
<u>JAG</u>	A307.	EP 0 720 235	07/03/96	EPO	--	--	Yes
<u>JAG</u>	A308.	EP 0 720 236	07/03/96	EPO	--	--	Yes
<u>JAG</u>	A309.	EP 0 746 030	12/04/96	EPO	--	--	Yes
<u>JAG</u>	A310.	EP 0 747 967	12/11/96	EPO	--	--	Yes
<u>JAG</u>	A311.	EP 0 755 076	01/22/97	EPO	--	--	Yes
<u>JAG</u>	A312.	EP 0 795 911	09/17/97	EPO	--	--	Yes

Examiner:

Joanne A. Garcia

Date Considered:

April 13 2005

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Form PTO-1449

Applicant: Duc Chau et al.

Serial No.: 10/052,234

Filing Date: January 16, 2002

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<u>JAG</u>	A313.	EP 0 801 425	10/15/97	EPO	-	-	Yes
<u>JAG</u>	A314.	EP 0 975 024	01/26/00	EPO	-	-	Yes
<u>JAG</u>	A315.	GB 2 269 050	01/26/94	UK	-	-	Yes
<u>JAG</u>	A316.	JP 56 131 960	10/15/81	Japan	-	-	Yes
<u>JAG</u>	A317.	JP 57 018 365	01/30/82	Japan	-	-	Yes
<u>JAG</u>	A318.	JP 57 153 469	09/22/82	Japan	-	-	Yes
<u>JAG</u>	A319.	JP 58 137 254	08/15/83	Japan	-	-	Yes
<u>JAG</u>	A320.	JP 58 210 678	12/07/83	Japan	-	-	Yes
<u>JAG</u>	A321.	JP 59 080 970	05/10/84	Japan	-	-	Yes
<u>JAG</u>	A322.	JP 59 193 064	11/01/84	Japan	-	-	Yes
<u>JAG</u>	A323.	JP 60 028 271	02/13/85	Japan	-	-	Yes
<u>JAG</u>	A324.	JP 61 102 782	05/21/86	Japan	-	-	Yes
<u>JAG</u>	A325.	JP 62 012 167	01/21/87	Japan	-	-	Yes
<u>JAG</u>	A326.	JP 62 016 572	01/24/87	Japan	-	-	Yes
<u>JAG</u>	A327.	JP 62 023 171	01/31/87	Japan	-	-	Yes
<u>JAG</u>	A328.	JP 62 046 569	02/28/87	Japan	-	-	Yes
<u>JAG</u>	A329.	JP 62 179 482	08/06/87	Japan	-	-	Yes
<u>JAG</u>	A330.	JP 63 114 173	05/19/88	Japan	-	-	Yes

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<u>JAG</u>	A331.	JP 63 288 047	11/25/88	Japan	--	--	Yes
<u>JAG</u>	A332.	JP 1 94 672	04/13/89	Japan	--	--	Yes
<u>JAG</u>	A333.	JP 5 226 661	09/03/93	Japan	--	--	Yes
<u>JAG</u>	A334.	JP 5 251 387	09/28/93	Japan	--	--	Yes
<u>JAG</u>	A335.	JP 6 163 910	06/10/94	Japan	--	--	Yes
<u>JAG</u>	A336.	JP 8 204 194	08/09/96	Japan	--	--	Yes
<u>JAG</u>	A337.	JP 8 250 731	09/27/96	Japan	--	--	Yes
<u>JAG</u>	A338.	JP 8 316 479	11/29/96	Japan	--	--	Yes
<u>JAG</u>	A339.	JP 9 036 362	02/07/97	Japan	--	--	Yes
<u>JAG</u>	A340.	JP 9 102 607	04/15/97	Japan	--	--	Yes
<u>JAG</u>	A341.	JP 9 270 512	10/14/97	Japan	--	--	Yes
<u>JAG</u>	A342.	JP 2000 040 822	02/08/00	Japan	--	--	Yes
<u>JAG</u>	A343.	JP 2000 040 872	02/08/00	Japan	--	--	Yes
<u>JAG</u>	A344.	JP 2000 156 978	06/06/00	Japan	--	--	Yes
<u>JAG</u>	A345.	JP 2000 277 726	10/06/00	Japan	--	--	Yes
<u>JAG</u>	A346.	JP 2000 277 728	10/06/00	Japan	--	--	Yes
<u>JAG</u>	A347.	JP 2001 015 448	01/19/01	Japan	--	--	Yes
<u>JAG</u>	A348.	JP 2001 015 752	01/19/01	Japan	--	--	Yes

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Joannita A. Garcia

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<u>JAG</u>	A349.	JP 2001 102 577	04/13/01	Japan	--	--	Yes
<u>JAG</u>	A350.	JP 2001 111 041	04/20/01	Japan	--	--	Yes
<u>JAG</u>	A351.	JP 2001 135 819	05/18/01	Japan	--	--	Yes
<u>JAG</u>	A352.	JP 2001 144 292	05/25/01	Japan	--	--	Yes
<u>JAG</u>	A353.	JP 2001 244 461	09/07/01	Japan	--	--	Yes
<u>JAG</u>	A354.	JP 2001 313 391	11/09/01	Japan	--	--	Yes
<u>JAG</u>	A355.	WO 93/03502	02/18/93	PCT	--	--	Yes
<u>JAG</u>	A356.	WO 95/34094	12/14/95	PCT	--	--	Yes
<u>JAG</u>	A357.	WO 97/07547	02/27/97	PCT	--	--	Yes
<u>JAG</u>	A358.	WO 97/16853	05/09/97	PCT	--	--	Yes
<u>JAG</u>	A359.	WO 00/33386	06/08/00	PCT	--	--	Yes
<u>JAG</u>	A360.	WO 00/68997	11/16/00	PCT	--	--	Yes
<u>JAG</u>	A361.	WO 00/68998	11/16/00	PCT	--	--	Yes
<u>JAG</u>	A362.	WO 01/06550	01/25/01	PCT	--	--	Yes
<u>JAG</u>	A363.	WO 01/06557	01/25/01	PCT	--	--	Yes
<u>JAG</u>	A364.	WO 01/45155	06/21/01	PCT	--	--	Yes
<u>JAG</u>	A365.	WO 01/59847	08/16/01	PCT	--	--	Yes
<u>JAG</u>	A366.	WO 01/71815	09/27/01	PCT	--	--	Yes

Examiner:

Joannia Garcia

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For: SELF-ALIGNED TRENCH MOSFETS AND METHODS FOR MAKING THE SAME

<u>JAG</u>	A367.	WO 01/95385	12/13/01	PCT	--	--	Yes
<u>JAG</u>	A368.	WO 01/95398	06/01/01	PCT	--	--	Yes

Other Documents

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- JAG A370. Chang et al., "A Highly Manufacturable Corner Rounding Solution for 0.18 μ m Shallow Trench Isolation," IEDM Tech. Digest, pp. 661-664 (1997).
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Joanne A. Lawrence

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- JAG A406. Technical Literature from Quester Technology, Model APT-4300 300mm Atmospheric TEOS/Ozone CVD System, No date.
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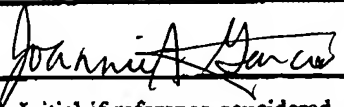
Group: 2823

For: SELF-ALIGNED TRENCH MOSFETS AND METHODS FOR MAKING THE SAME

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- JAG A408. Technical Literature from Semiconductor Fabtech, Curtis, et al., APCVD TEOS: 03 Advanced Trench Isolation Applications, 9th Edition, No date.
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- JAG A410. Technical Literature from Silicon Valley Group Thermal Systems, APNext, High Throughout APCVD Cluster Tool for 200 mm/300 mm Wafer Processing, No date.

DOCS-#800206-v1-Supp_IDS_1449.DOC

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